



DELL 16 Plus DB16250 Intel Core Ultra 7 258V Laptop 40.6 cm (16") Touchscreen Full HD+ 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Blue

Brand : DELL

Product family: 16 Plus

Product code:
DB16250_LNL_201

Product name : DB16250

DELL 16 Plus DB16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 258V. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Blue



Design		Camera	
Colour name	Ice Blue	Front camera resolution (numeric)	2.07 MP
Product type *	Laptop	Front camera resolution	1920 x 1080 pixels
Product colour *	Blue	Front camera HD type	Full HD
Form factor *	Clamshell	Video capturing speed	30 fps
Housing material	Aluminium, Plastic	Privacy camera	✓
Display		Privacy type	Privacy shutter
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
HD type	Full HD+	Mobile network connection *	✗
Panel type	WVA	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display technology marketing name	ComfortView	Wi-Fi data rate (max)	5760 Mbit/s
Native aspect ratio	16:10	Antenna type	2x2
Display surface	Gloss	WLAN controller model	Intel Wi-Fi 7 BE201
Display brightness	300 cd/m²	WLAN controller manufacturer	Intel
Pixel density	141 ppi	Bluetooth	✓
RGB colour space	NTSC	Ports & interfaces	
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Maximum refresh rate	60 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Contrast ratio (typical)	1000:1	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	1
Processor family *	Intel Core Ultra 7	Intel® Thunderbolt 4	✓
Processor generation	Intel Core Ultra (Series 2)	Combo headphone/mic port	✓
Processor model *	258V	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	8	Keyboard	
Processor threads	8	Pointing device	Touchpad
Processor boost frequency	4.8 GHz		
Performance cores	4		
Low Power Efficient-cores	4		
Performance-core Max Turbo Frequency	4.8 GHz		

Processor		Keyboard	
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Numeric keypad *	✓
Performance-core base frequency	2.2 GHz	Keyboard backlit	✓
Low Power Efficient-core Base Frequency	2200 MHz	Copilot key	✓
Processor cache	12 MB	Software	
Processor cache type	Smart Cache	Operating system architecture	64-bit
Processor base power	17 W	Trial software	McAfee LiveSafe 1Yr,Activate Your Microsoft 365 For A 30 Day Trial
Maximum turbo power	37 W	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)		Brand-specific features	
Neural processor unit (NPU)	Intel AI Boost	Brand specific technologies	Express Charge Boost capable
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Number of battery cells	4
Total processor performance up to	115 TOPs	Battery capacity *	64 Wh
NPU performance up to	47 TOPs	Battery voltage	15.2 V
GPU performance up to	64 TOPs	Battery recharge time	3 h
Memory		Battery recharge time	3 h
Internal memory *	32 GB	Fast charging	✓
Internal memory type	LPDDR5x-SDRAM	Battery charge indicator	✓
Memory form factor	On-board	Battery weight	260 g
Maximum internal memory *	32 GB	Power	
Memory channels	Dual-channel	AC adapter power	65 W
Memory data transfer rate	8533 MT/s	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	1 TB	AC adapter output current	1.7 A
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	USB charging voltage	5,9,15,20 V
SSD capacity	1 TB	USB charging current	3.25 A
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Operational conditions	
Optical drive type *	✗	Operating temperature (T-T)	0 - 40 °C
Graphics		Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card model *	Not available	Operating relative humidity (H-H)	0 - 90%
On-board graphics card *	✓	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer	Intel	Operating shock	140 G
Discrete graphics card *	✗	Operating vibration	0.66 G
On-board graphics card family	Intel Arc Graphics	Weight & dimensions	
On-board graphics card model *	Intel Arc Graphics 140V	Width	356.8 mm
Audio		Depth	250.6 mm
Audio chip	Realtek ALC3329	Height (front)	1.41 cm
Audio system	MaxxAudio Pro	Height (rear)	1.56 cm
Number of built-in speakers	2	Weight *	2.05 kg
Speakers manufacturer	Waves	Carbon footprint	
Speaker power	2.5 W	Total carbon footprint (kg of CO2e)	156
Number of microphones	2	Carbon emissions, manufacturing (kg of CO2e)	120.74
Camera		Carbon emissions, logistics (kg of CO2e)	3.9
Front camera	✓	Carbon emissions, energy usage (kg of CO2e)	29.64
		Carbon emissions, end-of-life (kg of CO2e)	1.72
		PAIA version	GaBi version 1, 2024
		Packaging content	
		AC adapter included *	✓

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